

Status: Path 1 of [Dialog Information Services via Modem]

Status: Initializing TCP/IP using (UseTelnetProto 1 ServiceID pto-dialog)
Trying 31060000009999...Open

DIALOG INFORMATION SERVICES

PLEASE LOGON:

***** HHHHHHHH SSSSSSSS?

Status: Signing onto Dialog

ENTER PASSWORD:

***** HHHHHHHH SSSSSSSS? *****

Welcome to DIALOG

Status: Connected

Dialog level 03.07.00D

Last logoff: 09feb04 17:11:39

Logon file001 13feb04 17:29:16

*** ANNOUNCEMENT ***

--File 654 - US published applications from March 15, 2001 to the present are now online. Please see HELP NEWS 654 for details.

--File 581 - The 2003 annual reload of Population Demographics is complete. Please see Help News581 for details.

--File 990 - NewsRoom now contains February 2003 to current records.
File 992 - NewsRoom 2003 archive has been newly created and contains records from January 2003. The oldest months's records roll out of File 990 and into File 992 on the first weekend of each month.
To search all 2003 records BEGIN 990, 992, or B NEWS2003, a new OneSearch category.

--Connect Time joins DialUnits as pricing options on Dialog.
See HELP CONNECT for information.

--SourceOne patents are now delivered to your email inbox as PDF replacing TIFF delivery. See HELP SOURCE1 for more information.

--Important news for public and academic libraries. See HELP LIBRARY for more information.

--Important Notice to Freelance Authors--
See HELP FREELANCE for more information

NEW FILES RELEASED

***DIOGENES: Adverse Drug Events Database (File 181)

***World News Connection (File 985)

***Dialog NewsRoom - 2003 Archive (File 992)

***TRADEMARKSCAN-Czech Republic (File 680)

***TRADEMARKSCAN-Hungary (File 681)

***TRADEMARKSCAN-Poland (File 682)

UPDATING RESUMED

RELOADED

***Population Demographics -(File 581)

***CLAIMS Citation (Files 220-222)

REMOVED

>>> Enter BEGIN HOMEBASE for Dialog Announcements <<<
>>> of new databases, price changes, etc. <<<

KWIC is set to 50.

HIGHLIGHT set on as '*'

* * * ALL NEW CURRENT YEAR RANGES HAVE BEEN * * *

* * * INSTALLED * * *

File 1:ERIC 1966-2004/Feb 04

(c) format only 2004 The Dialog Corporation

Set Items Description

--- -----

Cost is in DialUnits

?b 155, 5, 73

13feb04 17:29:29 User259876 Session D593.1

\$0.32 0.093 DialUnits File1

\$0.32 Estimated cost File1

\$0.05 TELNET

\$0.37 Estimated cost this search

\$0.37 Estimated total session cost 0.093 DialUnits

SYSTEM:OS - DIALOG OneSearch

File 155:MEDLINE(R) 1966-2004/Feb W2

(c) format only 2004 The Dialog Corp.

***File 155: Medline is updating again (12-22-2003).**

Please see HELP NEWS 154, for details.

File 5:Biosis Previews(R) 1969-2004/Feb W2

(c) 2004 BIOSIS

File 73:EMBASE 1974-2004/Feb W2

(c) 2004 Elsevier Science B.V.

Set Items Description

--- -----

?s (Sertoli or TM4) (s) (bilirubin (w) UDP-glucuronosyltransferase)

22609 SERTOLI

766 TM4

60682 BILIRUBIN

879 UDP-GLUCURONOSYLTRANSFERASE

S1 0 (SERTOLI OR TM4) (S) (BILIRUBIN (W)

UDP-GLUCURONOSYLTRANSFERASE)

?s (bilirubin (w) UDP-glucuronosyltransferase)

60682 BILIRUBIN

879 UDP-GLUCURONOSYLTRANSFERASE

S2 0 (BILIRUBIN (W) UDP-GLUCURONOSYLTRANSFERASE)

?s bilirubin (w) (UDPglucuronosyltransferase or UDP-glucuronosyl-transferase)

60682 BILIRUBIN

196 UDPGLUCURONOSYLTRANSFERASE

16 UDP-GLUCURONOSYL-TRANSFERASE

S3 18 BILIRUBIN (W) (UDPGLUCURONOSYLTRANSFERASE OR

UDP-GLUCURONOSYL-TRANSFERASE)

?s s3 and (Sertoli or TM4)

18 S3

22609 SERTOLI

766 TM4

S4 0 S3 AND (SERTOLI OR TM4)

?rd s3

...completed examining records

S5 10 RD S3 (unique items)

?t s5/3,k/all

5/3,K/1 (Item 1 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 2004 The Dialog Corp. All rts. reserv.

10511712 96322331 PMID: 8756475

Evidence for overlapping active sites for 17 alpha-ethynlestradiol and bilirubin in the human major *bilirubin* *UDPglucuronosyltransferase*.

Ciotti M; Owens I S

Heritable Disorders Branch, National Institute of Child Health and Human Development, National Institutes of Health, Bethesda, Maryland 20892-1830, USA.

Biochemistry (UNITED STATES) Aug 6 1996, 35 (31) p10119-24, ISSN 0006-2960 Journal Code: 0370623

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: Completed

Evidence for overlapping active sites for 17 alpha-ethynlestradiol and bilirubin in the human major *bilirubin* *UDPglucuronosyltransferase*.

5/3,K/2 (Item 2 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 2004 The Dialog Corp. All rts. reserv.

05295376 86296744 PMID: 3091075

Inhibition of *bilirubin* *UDPglucuronosyltransferase* activity by triphenylacetic acid and related compounds.

Fournel S; Gregoire B; Magdalou J; Carre M C; Lafaurie C; Siest G; Caubere P

Biochimica et biophysica acta (NETHERLANDS) Sep 4 1986, 883 (2) p190-6, ISSN 0006-3002 Journal Code: 0217513

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: Completed

Inhibition of *bilirubin* *UDPglucuronosyltransferase* activity by triphenylacetic acid and related compounds.

Bilirubin *UDPglucuronosyltransferase* of rat or human liver microsomes was inhibited, in vitro, by triphenylacetic acid and by structurally related arylcarboxylic acids. This inhibition appeared to be competitive...

... progressively increased inhibitory potency. Kappi, bilirubin for triphenylacetic acid was 96 microM compared with 5 microM for 7,7,7-triphenylheptanoic acid. The inhibition of *bilirubin* *UDPglucuronosyltransferase* was not due to displacement of bilirubin from albumin. On the basis of these results an attempt was made to delineate the molecular events leading...

5/3,K/3 (Item 3 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 2004 The Dialog Corp. All rts. reserv.

05268805 86270065 PMID: 3089296

Stereospecific induction of rat liver *bilirubin* *UDPglucuronosyltransferase* and lauric acid 12-hydroxylation by the isomers of 2-phenylpropionic acid.

Fournel S; Caldwell J; Magdalou J; Siest G

Biochimica et biophysica acta (NETHERLANDS) Jul 16 1986, 882 (3) p469-72, ISSN 0006-3002 Journal Code: 0217513

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: Completed

Stereospecific induction of rat liver *bilirubin*

***UDPglucuronosyltransferase* and lauric acid 12-hydroxylation by the isomers of 2-phenylpropionic acid.**

... which strongly suggests that (S)-(+)-2-phenylpropionic acid is responsible for the inductive effects observed. The demonstration of the same stereospecificity for the induction of ***bilirubin* *UDPglucuronosyltransferase*** and lauric acid 12-hydroxylation further indicates a close mechanistic link between these two processes.

5/3,K/4 (Item 4 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

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05026208 86026409 PMID: 3931693

Structure-dependent induction of bilirubin glucuronidation and lauric acid 12-hydroxylation by arylcarboxylic acids chemically related to clofibrate.

Fournel S; Magdalou J; Thomassin J; Villoutreix J; Siest G; Caldwell J; Andre J C

Biochimica et biophysica acta (NETHERLANDS) Oct 17 1985, 842 (2-3)
p202-13, ISSN 0006-3002 Journal Code: 0217513

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: Completed

The inductive potency of carboxylic acids, structurally related to clofibrate, on ***bilirubin* *UDPglucuronosyltransferase*** was investigated in the rat. For this purpose, structure-induction relationships were established using ten different arylcarboxylic or chlorophenoxy-carboxylic acids. 4'-Chlorophenoxyacetic, -propionic and -isobutyric...

... bilirubin (17%, 43%, 60% greater than controls, respectively) after a 5-day treatment in rat (100 mg/kg per day). 2-Phenylpropionic acid also enhanced ***bilirubin* *UDPglucuronosyltransferase*** activity (50%) in contrast to phenylacetic acid. The other compounds did not, or only slightly, affect this parameter. These results indicate that specific structural features...

... different probes embedded in the microsomal membranes. Finally, since the interaction of the carboxylic acids with the membranes did not modify the latency state of ***bilirubin* *UDPglucuronosyltransferase***, it was concluded that the increase in enzyme activity was due more to a real induction than to activation of ***bilirubin* *UDPglucuronosyltransferase***. A close linkage was established between ***bilirubin* *UDPglucuronosyltransferase*** induction and that of cytochrome P-452, as shown by enhanced omega-oxidation of lauric acid. This led to the hypothesis that both processes could...

5/3,K/5 (Item 5 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

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03470641 81162094 PMID: 6783277

The formation of bilirubin diglucuronide by rat liver microsomal preparations.

Gordon E R; Goresky C A

Canadian journal of biochemistry (CANADA) Nov 1980, 58 (11) p1302-10
ISSN 0008-4018 Journal Code: 0421034

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: Completed

... and UDPglucuronate was assessed with a method involving isolation of the products as tetrapyrroles. The proportions of bilirubin monoglucuronide

and diglucuronide formed by the microsomal *bilirubin*
UDPglucuronosyltransferase were found to be governed by the concentration
of bilirubin present and the nature of the activation of the microsomal
membrane. Activation of the microsomal...

5/3,K/6 (Item 6 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 2004 The Dialog Corp. All rts. reserv.

01989063 75164906 PMID: 805598

**Effect of fasting on substrate specificity of rat liver
UDP-glucuronosyltransferase.**

Duvaldestin P; Mahu J-L; Berthelot P

Biochimica et biophysica acta (NETHERLANDS) Mar 28 1975, 384 (1)
p81-6, ISSN 0006-3002 Journal Code: 0217513

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: Completed

... The substrate specificity of the enzyme was assayed with bilirubin as
a carboxylic acceptor, and phenolphthalein and p-nitrophenol as phenolic
acceptors. Starvation increased the *bilirubin* *UDPglucuronosyltransferase*
* specific activity by 33%, whereas no increase in specific activities
appeared when the phenolic substrates were used. However, on a total liver
weight basis, all three activities were significantly lower than those of
the controls. Kinetic studies of activated microsomal *bilirubin*
UDPglucuronosyltransferase showed that apparent Km values were similar;
fasting acted only by increasing V. The results suggest that the changes in
bilirubin glucuronosyltransferase activity provoked by...

5/3,K/7 (Item 1 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

(c) 2004 BIOSIS. All rts. reserv.

0011797634 BIOSIS NO.: 199900057294

**Molecular basis of bilirubin UDP-glucuronosyltransferase induction in
spontaneously diabetic rats, acetone-treated rats and starved rats**

AUTHOR: Braun Laszlo; Coffey Marcus J; Puskas Ferenc; Kardon Tamas; Nagy
Gabor; Conley Abigail A; Burchell Brian; Mandl Jozsef (Reprint)

AUTHOR ADDRESS: Dep. Med. Chem., Semmelweis Univ. Med., P.O. Box 260,
H-1444 Budapest, Hungary**Hungary

JOURNAL: Biochemical Journal 336 (3): p587-592 Dec. 15, 1998 1998

MEDIUM: print

ISSN: 0264-6021

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

...ABSTRACT: enzymes is a common feature in the regulation of drug
biotransformation under normal and pathological conditions. In the
present study the activity and expression of *bilirubin*
UDPglucuronosyltransferase (UGT1A1) were investigated in livers of
BioBreeding/Worcester diabetic, fasted and acetone-treated rats.
Bilirubin glucuronidation was stimulated by all three treatments this was
correlated...

5/3,K/8 (Item 2 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

(c) 2004 BIOSIS. All rts. reserv.

0010516033 BIOSIS NO.: 199699150093

**Evidence for overlapping active sites for 17-alpha-ethynylestradiol and
bilirubin in the human major *bilirubin* *UDPglucuronosyltransferase***

AUTHOR: Ciotti M; Owens Ida S (Reprint)
AUTHOR ADDRESS: Natl. Inst. Health, Building 10, Room 9S-242, Bethesda, MD
20892-1830, USA**USA
JOURNAL: Biochemistry 35 (31): p10119-10124 1996 1996
ISSN: 0006-2960
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

**Evidence for overlapping active sites for 17-alpha-ethynylestradiol and
bilirubin in the human major *bilirubin* *UDPglucuronosyltransferase***

...REGISTRY NUMBERS: *BILIRUBIN* *UDPGLUCURONOSYLTRANSFERASE*;

DESCRIPTORS:

CHEMICALS & BIOCHEMICALS: ...*BILIRUBIN* *UDPGLUCURONOSYLTRANSFERASE*;

5/3,K/9 (Item 3 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

(c) 2004 BIOSIS. All rts. reserv.

0010094901 BIOSIS NO.: 199698562734

**The genetic basis of reduced expression of bilirubin
UDP-glucuronosyltransferase 1 in Gilbert's syndrome**

AUTHOR: Bosma Piter J (Reprint); Chowdhury Jayanta Roy; Bakker Conny;
Gantla Shailaja; De Boer Anita; Oostra Ben A; Lindhout Dick; Tytgat Guido
N J; Jansen Peter L M; Oude Elferink Ronald P J; Chowdhury Namita Roy
AUTHOR ADDRESS: FO-116, Acad. Med. Cent., Meibergdreef 9, 1105 AZ,
Amsterdam, Netherlands**Netherlands

JOURNAL: New England Journal of Medicine 333 (18): p1171-1175 1995 1995

ISSN: 0028-4793

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

...ABSTRACT: heterozygous carriers who had a longer TATAA element on the
structurally normal allele had mild hyperbilirubinemia, characteristic of
Gilbert's syndrome. Conclusions. Reduced expression of *bilirubin*
UDPglucuronosyltransferase 1 due to an abnormality in the promoter
region of the gene for this enzyme appears to be necessary for Gilbert's
syndrome but not...

5/3,K/10 (Item 1 from file: 73)

DIALOG(R)File 73:EMBASE

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05305195 EMBASE No: 1993073280

**The effects of total parenteral nutrition on the hepatic handling of
bilirubin in the rat**

Culebras J.M.; Garcia-Vielba J.; Garcia-Diez F.; De la Hoz M.L.; Collado
P.S.; Gonzalez-Gallego J.

Servicio de Cirugia General, Complejo Hospitalario de Leon, 24080 Leon
Spain

Journal of Parenteral and Enteral Nutrition (J. PARENTER. ENTER. NUTR.)
(United States) 1993, 17/2 (125-129)

CODEN: JPENDE ISSN: 0148-6071

DOCUMENT TYPE: Journal; Article

LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH

...The esterified/total bilirubin ratio in serum increased, whereas the
bilirubin diconjugates/bilirubin monoconjugates ratio decreased. These
facts, together with the minor reduction of hepatic *bilirubin*
UDPglucuronosyltransferase activity (-12%), suggest that
hyperbilirubinemia would be a consequence of both cholestasis and increased
bilirubin production. The alterations reported here could contribute to the
explanation...

?ds

Set	Items	Description
S1	0	(SERTOLI OR TM4) (S) (BILIRUBIN (W) UDP-GLUCURONOSYLTRANSFERASE)
S2	0	(BILIRUBIN (W) UDP-GLUCURONOSYLTRANSFERASE)
S3	18	BILIRUBIN (W) (UDPGLUCURONOSYLTRANSFERASE OR UDP-GLUCURONOSYL-TRANSFERASE)
S4	0	S3 AND (SERTOLI OR TM4)
S5	10	RD S3 (unique items)
?s s5 and (expression (w) system)		
Processing		
	10	S5
	1954387	EXPRESSION
	10832836	SYSTEM
	31100	EXPRESSION(W)SYSTEM
S6	0	S5 AND (EXPRESSION (W) SYSTEM)
?s s5 (s) expression		
	10	S5
	1954387	EXPRESSION
S7	2	S5 (S) EXPRESSION
?t s7/3,k/all		

7/3,K/1 (Item 1 from file: 5)
 DIALOG(R)File 5:Biosis Previews(R)
 (c) 2004 BIOSIS. All rts. reserv.

0011797634 BIOSIS NO.: 199900057294

Molecular basis of bilirubin UDP-glucuronosyltransferase induction in spontaneously diabetic rats, acetone-treated rats and starved rats

AUTHOR: Braun Laszlo; Coffey Marcus J; Puskas Ferenc; Kardon Tamas; Nagy Gabor; Conley Abigail A; Burchell Brian; Mandl Jozsef (Reprint)

AUTHOR ADDRESS: Dep. Med. Chem., Semmelweis Univ. Med., P.O. Box 260, H-1444 Budapest, Hungary**Hungary

JOURNAL: Biochemical Journal 336 (3): p587-592 Dec. 15, 1998 1998

MEDIUM: print

ISSN: 0264-6021

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

...ABSTRACT: drug-metabolizing enzymes is a common feature in the regulation of drug biotransformation under normal and pathological conditions. In the present study the activity and *expression* of *bilirubin* *UDPglucuronosyltransferase* (UGT1A1) were investigated in livers of BioBreeding/Worcester diabetic, fasted and acetone-treated rats. Bilirubin glucuronidation was stimulated by all three treatments this was correlated...

...The hormonal/metabolic alterations in diabetes and starvation might be a model lot postnatal development. The sudden interruption of maternal glucose supply signals the enhanced *expression* of UGT1A1 giving a novel explanation for the physiological induction of bilirubin glucuronidation in newborn infants.

7/3,K/2 (Item 2 from file: 5)
 DIALOG(R)File 5:Biosis Previews(R)
 (c) 2004 BIOSIS. All rts. reserv.

0010094901 BIOSIS NO.: 199698562734

The genetic basis of reduced expression of bilirubin UDP-glucuronosyltransferase 1 in Gilbert's syndrome

AUTHOR: Bosma Piter J (Reprint); Chowdhury Jayanta Roy; Bakker Conny; Gantla Shailaja; De Boer Anita; Oostra Ben A; Lindhout Dick; Tytgat Guido

N J; Jansen Peter L M; Oude Elferink Ronald P J; Chowdhury Namita Roy

AUTHOR ADDRESS: FO-116, Acad. Med. Cent., Meibergdreef 9, 1105 AZ, Amsterdam, Netherlands**Netherlands

JOURNAL: New England Journal of Medicine 333 (18): p1171-1175 1995 1995

ISSN: 0028-4793
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

...ABSTRACT: region of the gene (A(TA)-7TAA rather than the normal A(TA)-6TAA). The presence of the longer TATAA element resulted in the reduced *expression* of a reporter gene, encoding firefly luciferase, in a human hepatoma cell line. The frequency of the abnormal allele was 40 percent among the normal...

...the six heterozygous carriers who had a longer TATAA element on the structurally normal allele had mild hyperbilirubinemia, characteristic of Gilbert's syndrome. Conclusions. Reduced *expression* of *bilirubin* *UDPglucuronosyltransferase* 1 due to an abnormality in the promoter region of the gene for this enzyme appears to be necessary for Gilbert's syndrome but not...

?ds

Set	Items	Description
S1	0	(SERTOLI OR TM4) (S) (BILIRUBIN (W) UDP-GLUCURONOSYLTRANSFERASE)
S2	0	(BILIRUBIN (W) UDP-GLUCURONOSYLTRANSFERASE)
S3	18	BILIRUBIN (W) (UDPGLUCURONOSYLTRANSFERASE OR UDP-GLUCURONOSYL-TRANSFERASE)
S4	0	S3 AND (SERTOLI OR TM4)
S5	10	RD S3 (unique items)
S6	0	S5 AND (EXPRESSION (W) SYSTEM)
S7	2	S5 (S) EXPRESSION
?s (Sertoli or TM4) (s) (cloning or transgene or genetically or transfected or transformed)		
	22609	SERTOLI
	766	TM4
	315399	CLONING
	39334	TRANSGENE
	140090	GENETICALLY
	128646	TRANSFECTED
	161904	TRANSFORMED
S8	563	(SERTOLI OR TM4) (S) (CLONING OR TRANSGENE OR GENETICALLY OR TRANSFECTED OR TRANSFORMED)
?s s8 and (factor (w) (VIII or IX))		
	563	S8
	2084498	FACTOR
	81428	VIII
	65914	IX
	42874	FACTOR(W) (VIII OR IX)
S9	0	S8 AND (FACTOR (W) (VIII OR IX))
?s s8 (s) (heterologous (w) protein)		
	563	S8
	88107	HETEROLOGOUS
	3772963	PROTEIN
S10	0	S8 (S) (HETEROLOGOUS (W) PROTEIN)
?s s8 and (heterologous (w) protein)		
	563	S8
	88107	HETEROLOGOUS
	3772963	PROTEIN
	1960	HETEROLOGOUS(W) PROTEIN
S11	0	S8 AND (HETEROLOGOUS (W) PROTEIN)
?s s8 and (lacZ or luciferase)		
	563	S8
	30374	LACZ
	36454	LUCIFERASE
S12	52	S8 AND (LACZ OR LUCIFERASE)
?rd		
...examined 50 records (50)		
...completed examining records		
S13	23	RD (unique items)